PRODUCT AFFECTED ASSEMBLIES AFFECTED DRAWINGS AFFECTED

OB-Xa Lower Control Board serial numbers 810602 and before

FUNCTION AFFECTED: Cassette Interface (loading data in)

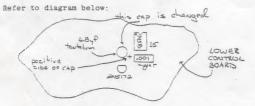
On OB-Xa control boards there was a production change of the capacitors used mostly for bypassing the power supply voltages.

The orginal value was 6.8uF tantalum. The new value will be 10uF to 22ui electralityics. However, the timing capacitor in the cassette interface input circuit requires a 6.8uF tantalum.

A larger value capacitor in this circuit causes in proper synchroniation of the inputted data.

 $\ensuremath{\texttt{OB-Xa's}}$ with serial numbers 810602 and before may have the wrong capaciton installed.

Replace this capacitor when necessary. Note the polarity when replacing the capacitor.



Note: This timing capacitor doesn't affect the cassette interface outputing data (record mode).

WRITTEN BY DATE APPROVED BY DATE

LIMS Let 2/12/81

APPROVED BY DATE

3/6/81

PRODUCT AFFECTED DRAWINGS AFFECTED OB-Xa 1517 sheet 1 of 3 DESCRIPTION OF CHANGE A lox Resistor is added between the base and ground of the Power Detect Transistor. +5 Mam 150K 33K Bottom View of Top Processon

REASON FOR CHANGE Prevents false operation of Power-Up (PUP)

CIrcuity

(Installed in units with sevial #13 810401 \$ up)

FFECTIVITY	WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	1 Coajer	1/27/8
RETROFIT UNITS IN PRODUCTION AND INVENTORY	/ /	
RETROFIT UNITS IN FIELD	APPROVED BY	DATE

☐ DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED

ECO NO.

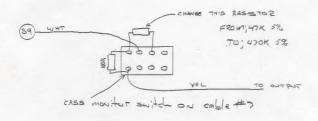
PRODUCT AFFECTED

DRAWINGS AFFECTED

SHEET 454

LOWER CONTROL 2012

DESCRIPTION OF CHANGE



REASON FOR CHANGE TO LOWER THE VOLUME IN THE "LOW" position of the

EFFECTIVITY	WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	N	2/17/81
RETROFIT UNITS IN PRODUCTION AND INVENTORY	10	/ '
RETROFIT UNITS IN FIELD	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	m 1 12	aliala

PRODUCT AFFECTED DRAWINGS AFFECTED 1520 OBXG Voice CAZD DESCRIPTION OF CHANGE CHANGE 750 K-20 4704 5% 4053 750K vc02

REASON FOR CHANGE TO CENTER OSK MOD TRIMMER, THUS giving a more usable range.

EFFECTIVITY	WRITTEN BY	DA
FUTURE PRODUCTION ONLY	100.	2/23/8
RETROFIT UNITS IN PRODUCTION AND INVENTORY	()	- 0-100/0

RETROFF UNITS IN TEST, ONLY AS REQUIRED 2/25

104

PRODUCT AFFECTED DRAWINGS AFFECTED 1518 OBXa Ka POT BONZD DESCRIPTION OF CHANGE CHANGE THE -10 V= upply on pot board to -5V. €4.7k

REASON FOR CHANGE TO ELIMINATE IMPROPER DECODING OF THE VEF ERECUFICEY

POT WHOM POLE WIGHT & VCF RECENSE POT'S abe fill CCW (GND).

PROBLEM DISCRIPTION: DISTORTION IN FLIRR WHEN VCF POT IS FULL CW.

EFFECTIVITY WRITTEN BY DATE

RETROFIT UNITS IN PRODUCTION AND INVENTORY

RETROFIT UNITS IN FIELD

FUTURE PRODUCTION ONLY

DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED

AS REQUISED IN TEST AND IN FEILD

V2 00 2/25/81

APPROVED BY

2/23/81

105

OBXa	1520 . Voice CARD
DESCRIPTION OF CHANGE	0.4
93 33YO 3	101 mylar cap and the 4702 resistor (2 places)
	oscillator antion

REASON FOR CHANGE TO ELIMINATE the possibility of the oscillators phase counciling each other.

EFFECTIVITY

FUTURE PRODUCTION ONLY	13 - stoular
RETROFIT UNITS IN PRODUCTION AND INVENTORY	1 2/2/101
RETROFIT UNITS IN FIELD	APPROVED BY DAT
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	1 5 CD 2-25/8
X RETROFIT UNITS INTEST US DEQUITED	C. (Ca-

lok

REASON FOR CHANGE TO INCREASE THE GAIN OF THE OUTPUT VCA CIRCUIT.

VCA

PRODUCT AFFECTED

DESCRIPTION OF CHANGE

OBXG

EFFECTIVITY

FUTURE PRODUCTION ONLY

RETROFIT UNITS IN PRODUCTION AND INVENTORY

RETROFIT UNITS IN FIELD, ONLY IF REQUESTED

DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED

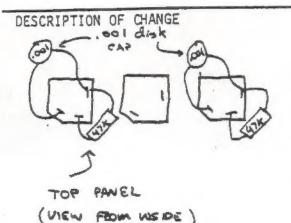
3/6/81

ENGINEERING CHANGE ORDER

PRODUCT AFFECTED OBXa

DRAWINGS AFFECTED OBX WOTHER BOARD

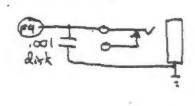
CABLE #7

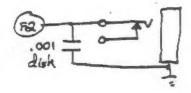


INSTALL TWO . OOI disk expacitions from trp to ground on each output jack (left and right)

- KREP LEADS SHORT AS POSSIBLE

- BE SURE TIP OF PLUG CLEARS CAPACITION WHEN INSCREED INTO JACK.





REASON FOR CHANGE TO ELIMINATE HIGH FREQUENCY N	DOUSE IN OUTPUT UCH CIRC	ort.
FUTURE PRODUCTION ONLY RETROFIT UNITS IN PRODUCTION AND INVENTORY	WRITTEN BY	DATE 15/81
RETROFIT UNITS IN FIELD, ONLY WHEN REQUESTED	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	Alus Oli	3/6/8

PRODUCT AFFECTED

OBXQ

DRAWINGS AFFECTED

OBXQ MOTHER BOARD

DESCRIPTION OF CHANGE

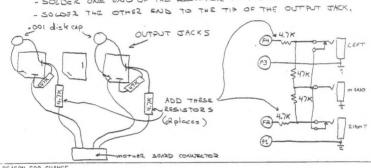
ADD 4.7K 5% RESISTOR IN SERVES WITH EACH OUTPUT

(LEFT AND RIGHT)

-CUT ROCITIVE LEAD OF EACH OUTPUT CARLE AT THE JACK TIP

-SOLDER ONE END OF THE RESISTOR TO THE CUT LEAD.

-SOLDER THE OTHER END TO THE TIP OF THE OUTPUT TACK,



REASON FOR CHANGE

EFFECTIVITY

TO ELEMENATE THE POSSIBILTY OF BLOWING THE PCHANNEL FET IN THE OUTPUT CIRCUIT, WHEN PLUGGING A CABLE INTO THE OUTPUT TACKS

HE	0017	01 411640	1, 00	10 920	60100	7 0		1010	00, 10,	4/10
UOTE:	NEW	M OTHER	BOARD	MYOUT	WILL	HAUE	THE	265127072	ON THE	BOARI

FUTURE PRODUCTION ONLY

RETROFIT UNITS IN PRODUCTION AND INVENTORY

RETROFIT UNITS IN FIELD

DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED

] 510111110 001112011011 01121, 111110111111 1111

July 0 3/19/81

MARCH 18 198

DATE

WRITTEN BY

PRODUCT AFFECTED

OBXa

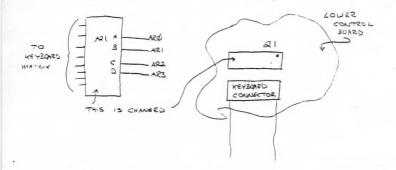
DRAWINGS AFFECTED

1516.

SHERT & of 4

DESCRIPTION OF CHANGE

REPLACE 74642 AT LOCATION AZI TO 746542.



REASON FOR CHANGE

X RETROPIT IN TEST AS REQUIRED

ELIMINATE IMPROPER DECODING OF KEYBOARD WHEN PLAYING "TIGHT" CHORDS

WRITTEN BY DATE FEFECTIVITY FUTURE PRODUCTION ONLY MARCH 18 K RETROFIT UNITS IN PRODUCTION AND INVENTORY DATE RETROFIT UNITS IN FIELD APPROVED BY DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED

3 - INSTALL 100 ME ELECT. CAP FROM +15 V SUPPLY TO GNO. (BOTH MOTHER 80 ADD

* LOWER MOTHER ROARD ONLY

REASON FOR CHANGE

PRODUCT AFFECTED

DESCRIPTION OF CHANGE

C3Xa

TO DECREASE NOISE IN OUTPUT VCA CIRCUIT.

WRITTEN BY FFFECTIVITY FUTURE PRODUCTION ONLY ARIZ 13, F RETROFIT UNITS IN PRODUCTION AND INVENTORY RETROFIT UNITS IN FIELD DRAWING CORRECTION ONLY: HARDWARE NOT AFFECTED - APE 13.

ATTACHMENT POR ECO# 110 OBX TOP MOTHER BOARD 10pf disk - ADD THESE COMPONENTA IOM ZESISTOR SOLDER LUG #5 TEMOVE ECLEW, - INSTALL SOLDER LUE, REMISTALL SCREW -00 ... 0000 AND THIS CAPACITION. 100 of elect. 00000000

APRIL 13,1901

ENGINEERING CHANGE ORDER

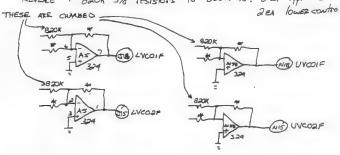
PRODUCT AFFECTED OBXa

DRAWINGS AFFECTED

1516 SHEET 4 of 4 1517 SHEET 2013

DESCRIPTION OF CHANGE

REPLACE A 820K 5% resistors to 806K 1%. DEA upper countrol. DEA lower control.



REASON FOR CHANGE TO MATCH THE LPO GAIN BETWEEN VCO'S.

EFFECTIVITY	WRITTEN BY	DA
FUTURE PRODUCTION ONLY	10	7/9/81
RETROFIT UNITS IN PRODUCTION AND INVENTORY	1	
RETROFIT UNITS IN FIELD	APPROVED BY	DA
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	1	

X RETROPIT UNITE IN PRODUCTION AND IN TEST.

ENGINEERING CHANGE ORDER

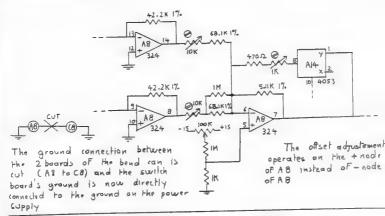
RODUCT AFFECTED

OB-XA (BEND-CAN)

DRAWINGS AFFECTED

OB-XA MODULATION PANEL DRAWING Nº 1521

ESCRIPTION OF CHANGE



REASON FOR CHANGE

Improve the offset ajustements.

		CATE
FFECTIVITY	WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	Michel DOIDIC	7/21/81
RETROFIT UNITS IN PRODUCTION AND INVENTORY		
RETROFIT UNITS IN FIELD	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	1240	7/21/81

ECO NO.

8/1/81

113

OBERHEIM ELECTRONICS. INC. ENGINEERING CHANGE ORDER

PRODUCT AFFECTED	
CRY	

DRAWINGS AFFECTED 1517 .

SHEET 10=3

DESCRIPTION OF CHANGE

Replace the 2716 EPROMS AT LOCATIONS A104 and A103 with 2732 EPECHIS.

Replace the 2716 EPROM AT LOCATION A 102 with 6116 CMOS ZIM

Replace the 6514 cmos 24m AT LOCATION A109 with 6116 cmos 24m

ADD 6116 cmos RAM, the NAW LOCATION NUMBER is A164.

Replace the 2442 300 docodes at location Alos with 2465129 DECODER. DO 4011 NAND GATE, the NEW location number is All.

=:IMINATE ADD -100 7442 +2EA 2732 -3EA 2716 +3EA 6116 2EA 6514 + 1EA 7465139

REASON FOR CHANGE

Expansion of the user programs from 32 patches to 120 patches, .11 0 -11- 10011

WITH OSPITTS AND O GOLDIES.		
EFFECTIVITY	WRITTEN BY	DAT
FUTURE PRODUCTION ONLY	10	8/7/81
RETROFIT UNITS IN PRODUCTION AND INVENTORY		
RETROFIT UNITS IN FIELD	APPROVED BY	DAT
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED		
X NEW P.CB. LAYOUT	198	2/10,

ECO NO.

PRODUCT AFFECTED

OB XQ

DRAWINGS AFFECTED

1516 Exect 4 of 4

1517 SHEET 2 of 3

DESCRIPTION OF CHANGE

Los signal tiece from AIZ pin 6 to unused 4052 (AIA9) Y imput on upper control board.
It signal tiece from AISA pin 6 and add trace to AI49 (4053) X imput.

Add trace from A149 (output) to pins 3, 13 and 1 of A156.

Made Trace From MATE (COTPOT) TO place 3,73 and 1 or MATE

SEE ATTACHED SCHEMATIC

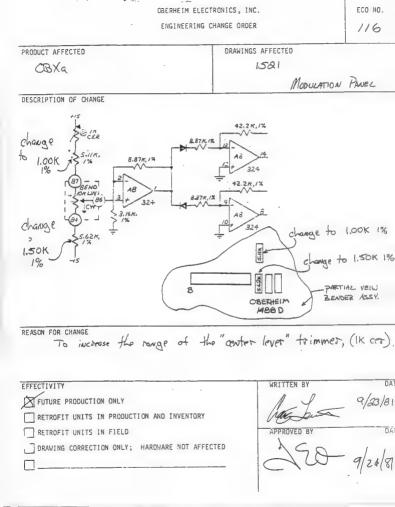
X NEW P.C.B. LAYOUT

REASON FOR CHANGE

To match the pain of the LFO between voice trays in minal mode (not eplit or double).

EFFECTIVITY	WRITTEN BY	DA
FUTURE PRODUCTION ONLY	10	13/2/3
RETROFIT UNITS IN PRODUCTION AND INVENTORY	1/-	
RETROFIT UNITS IN FIELD	APPROVED BY	DA
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	100	11

200 8/1/81



ENGINEERING CHANGE ORDER

PRODUCT AFFECTED OEXa

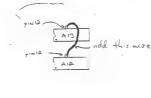
DRAWINGS AFFECTED

1521.

DESCRIPTION OF CHANGE

MODULATION FAMEL

Add wise from pin id of A13 to pin 12 of A12, on bottom of modulation icz.



REASON FOR CHANGE To help aliminate besting when OSCA only is ON.

EFFECTIVITY

X	FUTURE	PRODUCTION	ONLY

RETROFIT UNITS IN PRODUCTION AND INVENTORY

RETROFIT UNITS IN FIELD, if required

" ORAWING CORRECTION ONLY; HARDWARE NOT AFFECTED

IN TEST IF REQUIRED

APPROVED BY

WRITTEN BY

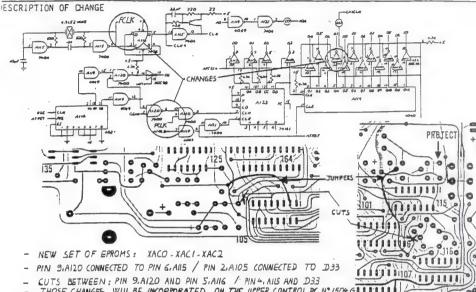
DRAWINGS AFFECTED

ENGINEERING CHANGE ORDER

'RODUCT AFFECTED

OB-XA (120 PROGRAMS ONLY)

UPPER CONTROL BOARD SHEET 1 Nº 1517



THOSE CHANGES WILL BE INCORPORATED ON THE UPPER CONTROL PC Nº 1504 GI I III

EASON FOR CHANGE

FFECTIVITY

IMPROVE	AUIU IUNE

FUTURE PRODUCTION ONLY .

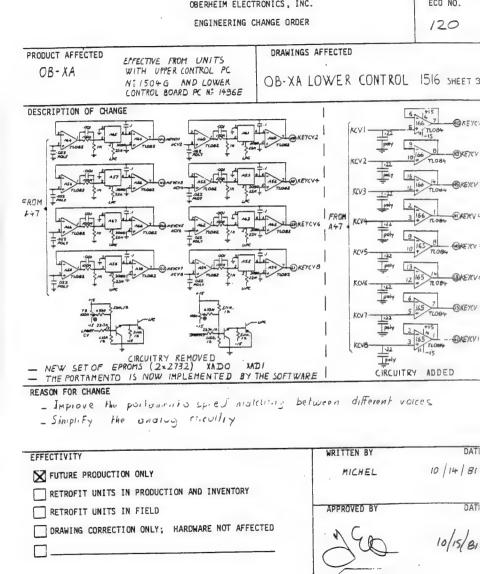
٠							
]	RETROFIT	UNITS	IN	PRODUCTI ON	AND	INVENTORY	

RETROFIT UNITS IN FIELD

, DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED

10/14/81 MICHEL APPROVED BY

WRITTEN BY



OBERHEIM ELECTRONICS, INC.

ENGINEERING CHANGE ORDER

ECO NO.

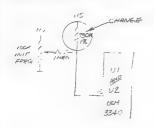
PRODUCT AFFECTED

OB-XA VOICE CARD

DRAWINGS AFFECTED

SCHEMATIC - OB-XA VOICE CARD

DESCRIPTION OF CHANGE



CHANGE IM 1% (CONNECTED TO *15 V AND PIN 15 OF OSCILLATOR CHIP) TO A 750K, 1%. (2 PER CAKL)

REASON FOR CHANGE

TO ALTER INITIAL FREQUENCY TRIMHER RANGE ALLOWING GREATER PERCENTAGE OF OSCILLATOR CHIPS TO CALIBRATE.

EFFECTIVITY WRITTEN BY DATE

| FUTURE PRODUCTION ONLY ACG 10-21-81

RETROFIT UNITS IN PRODUCTION AND INVENTORY
RETROFIT UNITS IN FIELD AS REQUIRED

DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED

IN TEST IF REQUIRED

N Cis. 1

DATE

APPROVED BY

ECO NO.

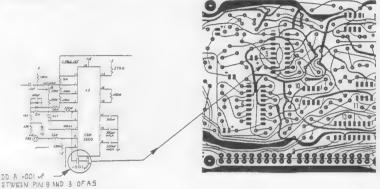
PRODUCT AFFECTED

DRAWINGS AFFECTED

OB-XA

VOICE CARD Nº 1520

DESCRIPTION OF CHANGE



REASON FOR CHANGE

- REMOVE OSCILLATION		
EFFECTIVITY	WRITTEN BY	DAT
FUTURE PRODUCTION ONLY RETROFIT UNITS IN PRODUCTION AND INVENTORY	MICHEL	11 / 18/81
RETROFIT UNITS IN FIELD	APPROVED BY	DAT
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	250	11/19/81

127

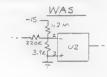
PRODUCT AFFECTED

08- Xa

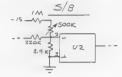
DRAWINGS AFFECTED

1519 MOTHER BUNES (LOWER TRAY ONLY

DESCRIPTION OF CHANGE

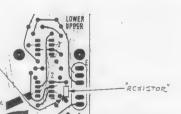


LOWER MOTHEIL BUAKO ONLY



TEIMPOT"

- 1) CUT ETCH -
- 2) CHANGE "RESISTUR"\
 FROM 1.2 M TO IM
- S) DRILL 3 HOLES &
 MOULT SOOK "TRIMPUT"
- 4) WIKE TRIMPOT WIPCK TO FREED END OF RESISTOR
- 5) WIRE EITHER OTHER TERMINAL OF TRIMPOT TO PIN 2 OF UZ.



REASON FOR CHANGE

TO ALLOW FOR ADJUSTMENT OF VOLUME BETWEEN TRAYS WHEN NOT IN 'SPLIT' OR 'DOUBLE'.

EFFECTIVITY	WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	1-1	12/14/81
RETROFIT UNITS IN PRODUCTION AND INVENTORY		
RETROFIT UNITS IN FIELD	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	260	12/14/81
	1910	12/17/6/

PRODUCT AFFECTED

- DRAWINGS AFFECTED

ECO NO.

78- Xa	None
DESCRIPTION OF CHANGE	
Cable between ben	d box & control boards:
After crimping pins.	on, solder each
Also, earh and a be affairmed & rem	tite cable should have 3 times to
Started W/ #820801	
REASON FOR CHANGE	
Reduce Mist Can	Offsek
EFFECTIVITY	WRITTEN BY DATE
FUTURE PRODUCTION ONLY	2/19/82
RETROFIT UNITS IN PRODUCTION AND INVENTORY RETROFIT UNITS IN FIELD	APPROVED BY DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFEC	CTED 31./G
	Ge 2/19/82

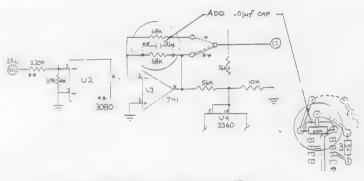
ECO NO.

DRAWINGS AFFECTED

OBXA

1519 A SCHEMATIC OB-XA MOTHER BD.

CRIPTION OF CHANGE



- .01 Mf capacitor added in parallel To 68K resistor in U3 feedback retwork on lower Mother Board (top side)

ASON FOR CHANGE

To aliminate day stepping noise at the output growthe balance control.

FECTIVITY	WRITTEN BY	DATE 2-23-8
_ FUTURE PRODUCTION ONLY	Randy Evans	
RETROFIT UNITS IN PRODUCTION AND INVENTORY		DATE
TRETROFIT UNITS IN FIELD AS NEELED	APPROVED BY	DAIL
_ DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	50	3/4/82
AS NEELED IN TEST	_ ~ ~	

PRODUCT AFFECTED

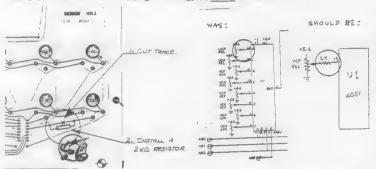
DRAWINGS AFFECTED

08-XA

SCHENATIC ISIBA (FOT BO.) ASSENDLY 720055 (FOT BC. #1 XA)

DESCRIPTION OF CHANGE

MAKE ONE CUT ON THE TRACE COMING FROM THE SWINGER OF THE WER
RESERVE 9TT, AND INSTALL A 2 KD RESISTOR ACROSS THE CUT. THIS KEDUCES
**UNKENT THROUGH THAT TRAME NOTE: DO THIS TO UNITS CONTAINING XA-FR (NOT TO XA-FA
AND TO UNITS CONTAING THE XA-CQ, XA-CJXA-CQ SERVES E-MORES OR BELOW ONLY.
**UNITS WITH EPROMS TA-GO, A-GJ AND ARMY. DO NOT WEED THIS FIX.



REASON FOR CHANGE

SOFTWAKE 2016 EPROMS, SONTAMING AN EKKOR, WHICH CAUSES NOISE TO BE HERKO WHEN THE YEAR PULLS CONTROL IS FULLY COUNTER CLOCKWISE, AND THE YOF RELEASONSTALL IS FULLY COUNTER CLOCKWISE, AND THE YOF RELEASONSTALL IS FULLY CLOCKWISE.

CONTROL IS FULLY CLOCKWISE. SEE ELO 132 \$ 5003		
EFFECTIVITY	WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	ANNE	1-28-82
RETROFIT UNITS IN PRODUCTION AND INVENTORY		
RETROFIT UNITS IN FIELD	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED		
AS NEEDED ONLY, UNITS IN FIELD AND INVENTORY	as to	1-28-81

ECO NO. 132

RODUCT AFFECTED	DRAWINGS AFFECTED	
08-XA	ASSEMBLY # 720054 OB-XA CONTROL BO	

ESCRIPTION OF CHANGE

CHANGE EPROM LABLED XA-FO (PART NO 310001-FO) TO EPROM LABLED XA-FAO (PART NO. 310001-FAO).

EASON FOR CHANGE TO IMPLEMENT SOFTWARE CORRECTION THAT ELIMINATES A MOISE THAT OCCURS WHEN THE VCO PULSEWIOTH CONTROL IS FULLY COUNTER-CLOCKWISE, AND THE VCF RELEASE CONTROL IS FULLY CLOCKNISE.

SEE ECO 131 9 5003 WRITTEN BY DATE FUTURE PRODUCTION ONLY ANNE 1-28-82 RETROFIT UNITS IN PRODUCTION AND INVENTORY RETROFIT UNITS IN FIELD APPROVED BY DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED

ECO NO. 134

PRINTICT AFFECTED

08-XA

DRAWINGS AFFECTED

SCHENATIC 1517A ASSEMBLY 720054 11 SCHEMATIC 1516A ASSEMBLY 720053

UPPER CONTROL

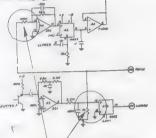
CHANGE TO GBKQ.

LOWER CONTROL

DESCRIPTION OF CHANGE - CHANGE 3 RESISTORS

CHANGE TO SIOR. CHANGE TO 68KO.

UPPER CONTROL BO! 17A SHEET Z



LOWER CONTROL 80: 1516A SHEET 4

REASON FOR CHANGE

TO REDUCE THE VOLUME OF THE NOISE FUNCTION

WRITTEN BY	DAT
ANNE	3-5-82
APPROVED BY	DAT
250	35-92
	ANNE APPROVED BY

ECO NO. 135

RGGGCT AFFECTED

- 08-XA

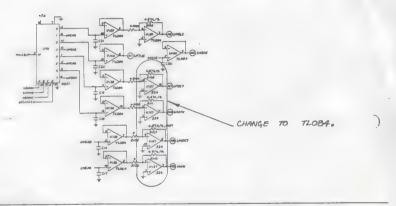
DRAWINGS AFFECTED

SCHEMATIC ISITA SHEET 2 UPPER CONTRUL

ASSEMBLY 72,0054 UPPER CONTROL

ESCRIPTION OF CHANGE

CHANGE UI37 FROM AN LM324 TO A TLOSH.



REASON FOR CHANGE

TO MATCH FILTER ENVELOPE CHARACTERISTICS BETWEEN TOP AND BOTTOM TRAYS.

EFFECTIVITY	WRITTEN BY	DAT
FUTURE PRODUCTION ONLY		0 = 00
RETROFIT UNITS IN PRODUCTION AND INVENTORY AS NEEDED	ANNE	3-5-82
RETROFIT UNITS IN FIELD	APPROVED BY	PAi
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	1	3-5-82
AS NEILLD IN TEST	0	3-3-82

ECO NO.

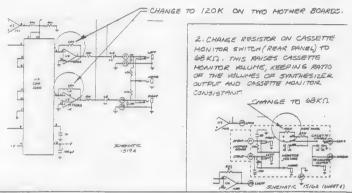
PRODUCT AFFECTED

. OB-XA

DRAWINGS AFFECTED A SHEET 4 (REAR PANEL)
SCHEM ATIC. 1519 A SHEET 4 (REAR PANEL)
SCHEM ATIC. 1519 A MOTHER BD.
ASSEMBLY 720057 & 720057-0 (LOWER)
ASSEMBLY 720061 & 720061-0 (UPPER)
ASSEMBLY 750129-1 (YA CABLE #7)

DESCRIPTION OF CHANGE

1. CHANGE A TOTAL OF 4. RESISTORS PER 03-7A UNIT



REASON FOR CHANGE

TO INCREASE GAIN OF OUTPUT.

EFFECTIVITY	WRITTEN BY	DAT
FUTURE PRODUCTION ONLY		
RETROFIT UNITS IN PRODUCTION AND INVENTORY	ANNE	3-5-82
RETROFIT UNITS IN FIELD	APPROVED BY	DAT
] DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED		
	1 200	3-5-82

ECO NO.

DUCT AFFECTED

DRAWINGS AFFECTED

· OB-XA

ASSEMBLY # 720054 OB-XA UPPER CONTRO

CRIPTION OF CHANGE

CHANGE EPROL! LABLED XA-GO (PART NO. 310001-60)

TO EPROIT LAKEED XA-GAØ (PART NO. 310001 - GAØ)

EXPLANATION: IF THE FOLLOWING ACTIONS ARE TAKEN, AN ERROR WILL OCCUR.

I. ENILK HAMJAL MODE.

Z.WILLE IN HANDOL ITES, PERFORT AN EDIT! (ELAMPLE RAISE THE FRED OF YCO2 UNTIL IT IS DOUBLED.)

3. PUSH WRITE BUTTON

4. RISH PROGRAM JULIEUR TOU WANT SIL. FATCH IN SLET CO OF PROCEST! NUMBER BUTTON BEFORE TOU GUET GO OF WRITE BUTTON.

IF YOU LISTEN NOW, YOO Z WILL BE DOUBLED, AGAIN. IT'S AS IF THE SAME EDIT WERE PERFORMED TWILE. THE PROGRAM WAS SAVED CORRECTLY, HOWEVER. PLISHING THE PROGRAM BUTTON AGAIN WILL RESTORE YOUR PATCH.

THIS EXKOR IS COKRECTED IN TA-GAG.

REF. SOOZ

SON FOR CHANGE

TO ELIMINATE "EDIT-DOUBLING" ERPOR CONTAINED IN MAGO. (SEE EXPLAILATION MOOVE)

ECTIVITY

FUTURE PRODUCTION ONLY

RETROFIT UNITS IN PRODUCTION AND INVENTORY

RETROFIT UNITS IN FIELD

DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED

WRITTEN BY

DATE

ANNE

3-4-82

APPROVED BY

DATE

JGB 3-4-82

143

PRODUCT AFFECTED

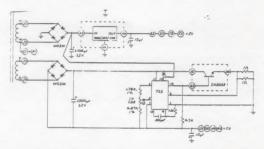
OB-Xa

DRAWINGS AFFECTED

Schemetre - 1515

DESCRIPTION OF CHANGE

Cut lead going to pin 12 of the -5
723 regulator & run that pin \$ to the
+ lead of the +5 filter cap.



REASON FOR CHANGE

Allow for operation down to 90 VAR Input.

EFFECTIVITY	WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	23/2	4/5/82
RETROFIT UNITS IN PRODUCTION AND INVENTORY	0	.1710-
RETROFIT UNITS IN FIELD	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	1	1 1
	250 4	15/82

ODUCT AFFECTED

EASON FOR CHANGE

45 NEEDED IN TEST

08-XA

ECO NO.

6-9-52

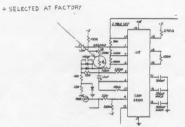
PRODUCT AFFECTED

DRAWINGS AFFECTED

OB-Xa

1520A VOICE CARD

DESCRIPTION OF CHANGE



REA	SON	FOR	CHA	NGE

FUTURE PRODUCTION ONLY

EFFECTIVITY

TO ALLOW USE OF FILTER CHIPS WITH A WIDER RANGE OF RESONANCE CHARACTERISTICS IN THE TWO POLE FILTER.

WRITTEN BY

Paul White

RETROFIT UNITS IN PRODUCTION AND INVENTORY		
RETROFIT UNITS IN FIELD	APPROVED BY	DAT
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	A 901	6/24/8
AS NEEDED IN TEST.	700	0/24/8